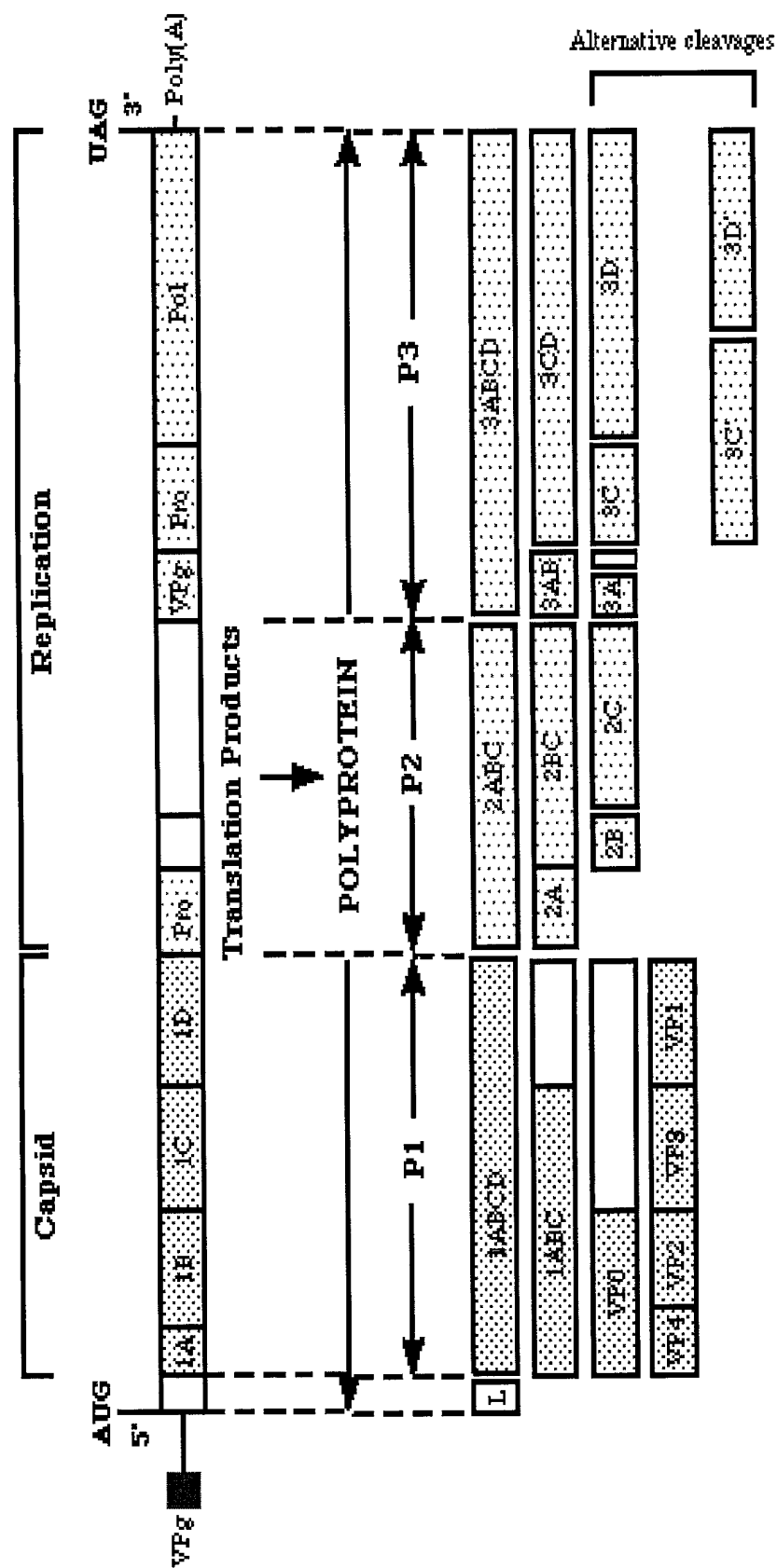


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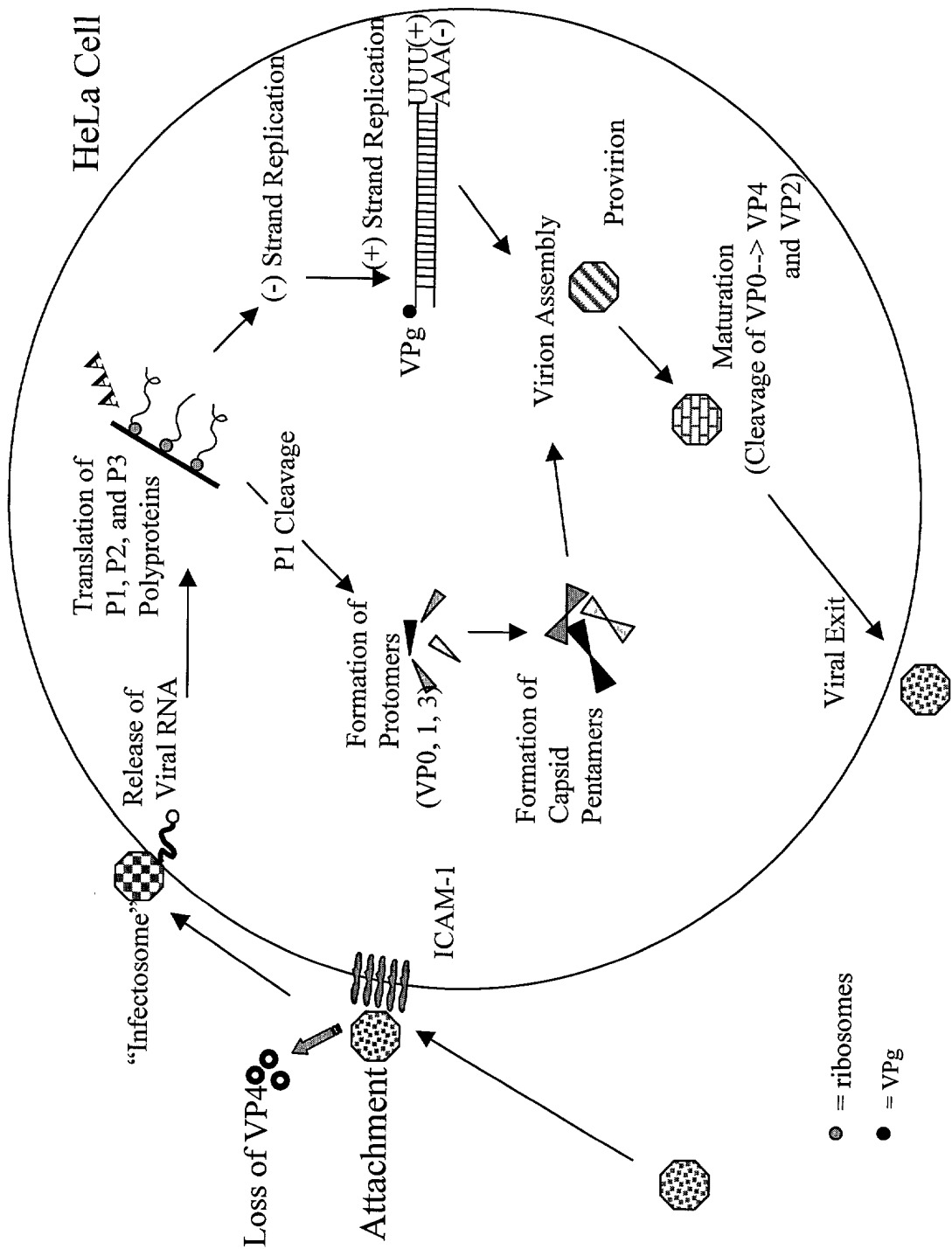


Figure 2

3/21

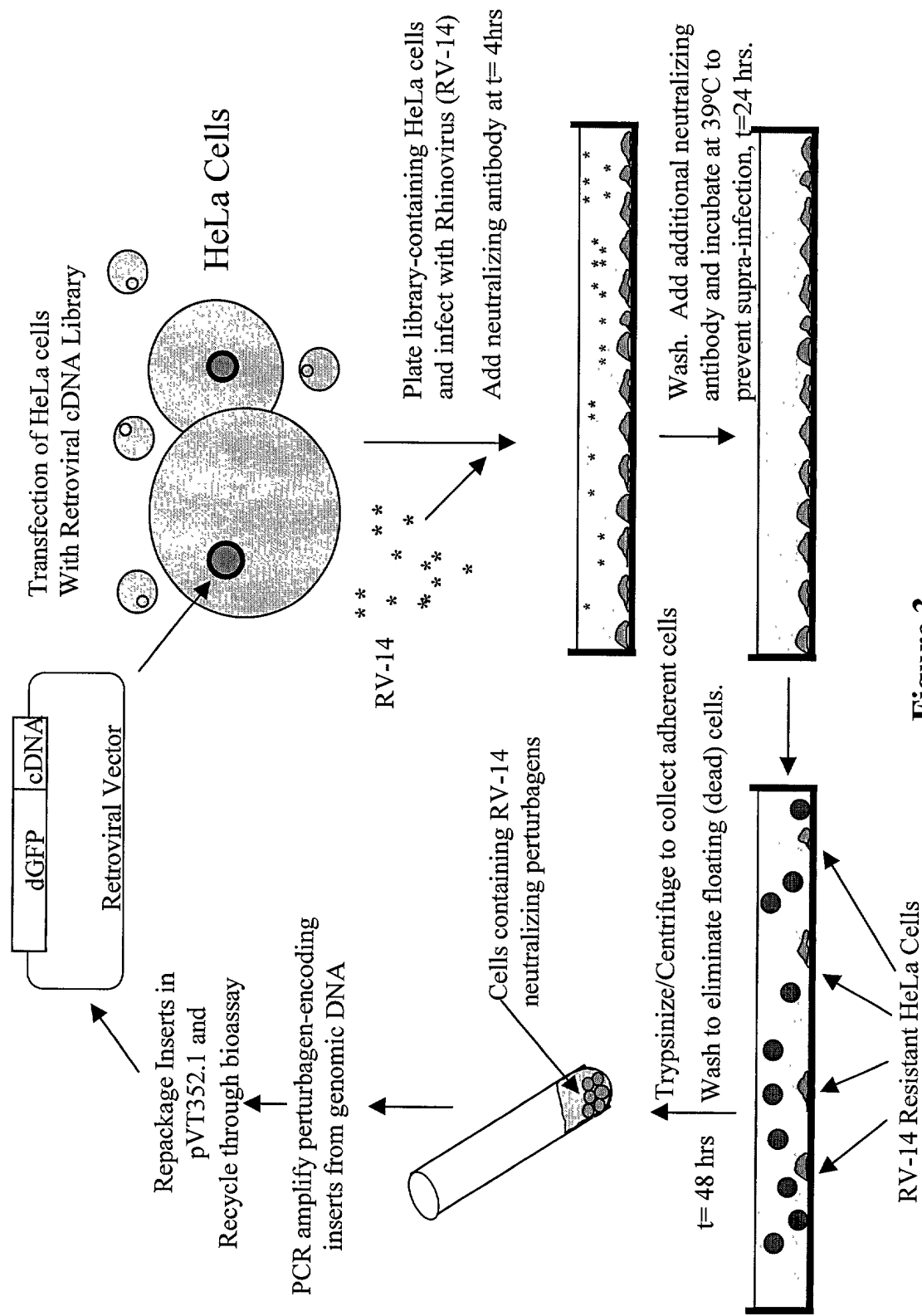
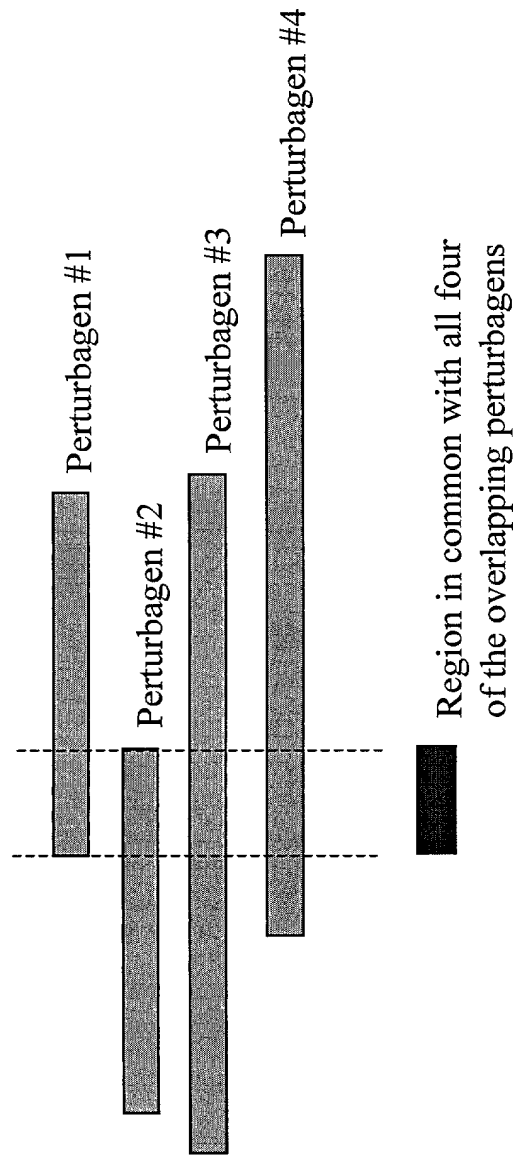


Figure 3

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A



B

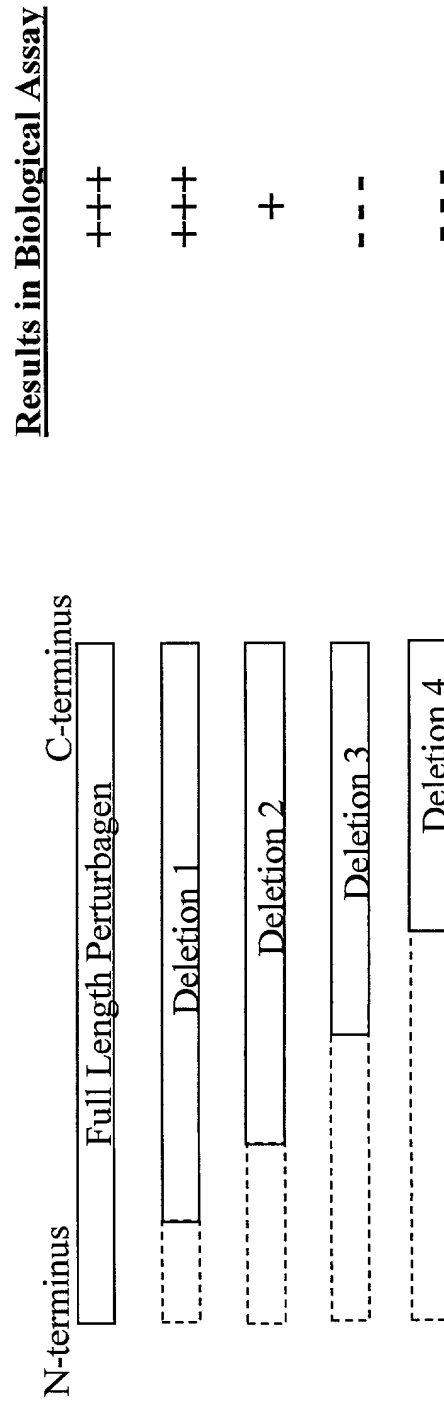


Figure 4

5/21

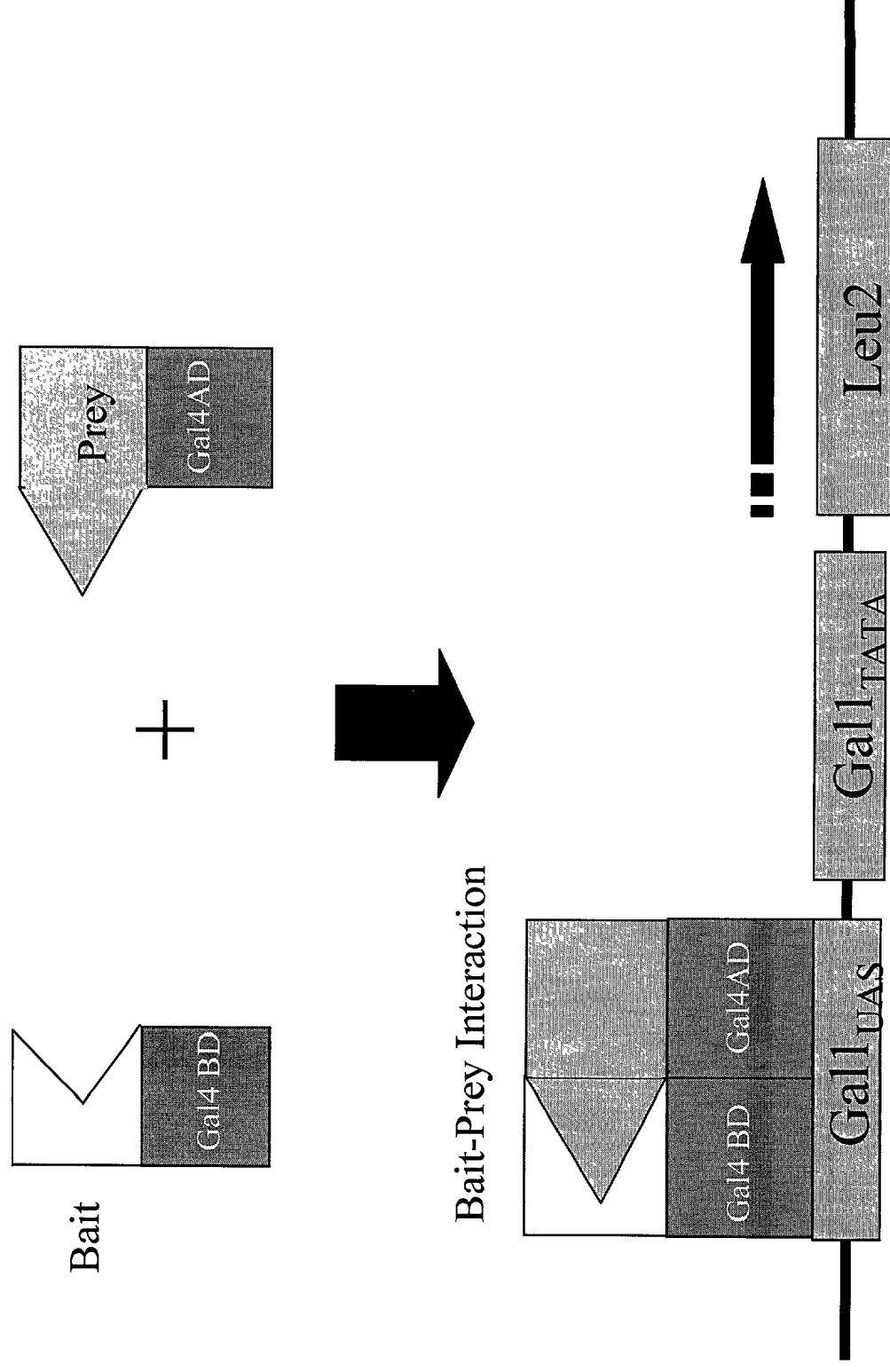


Figure 5

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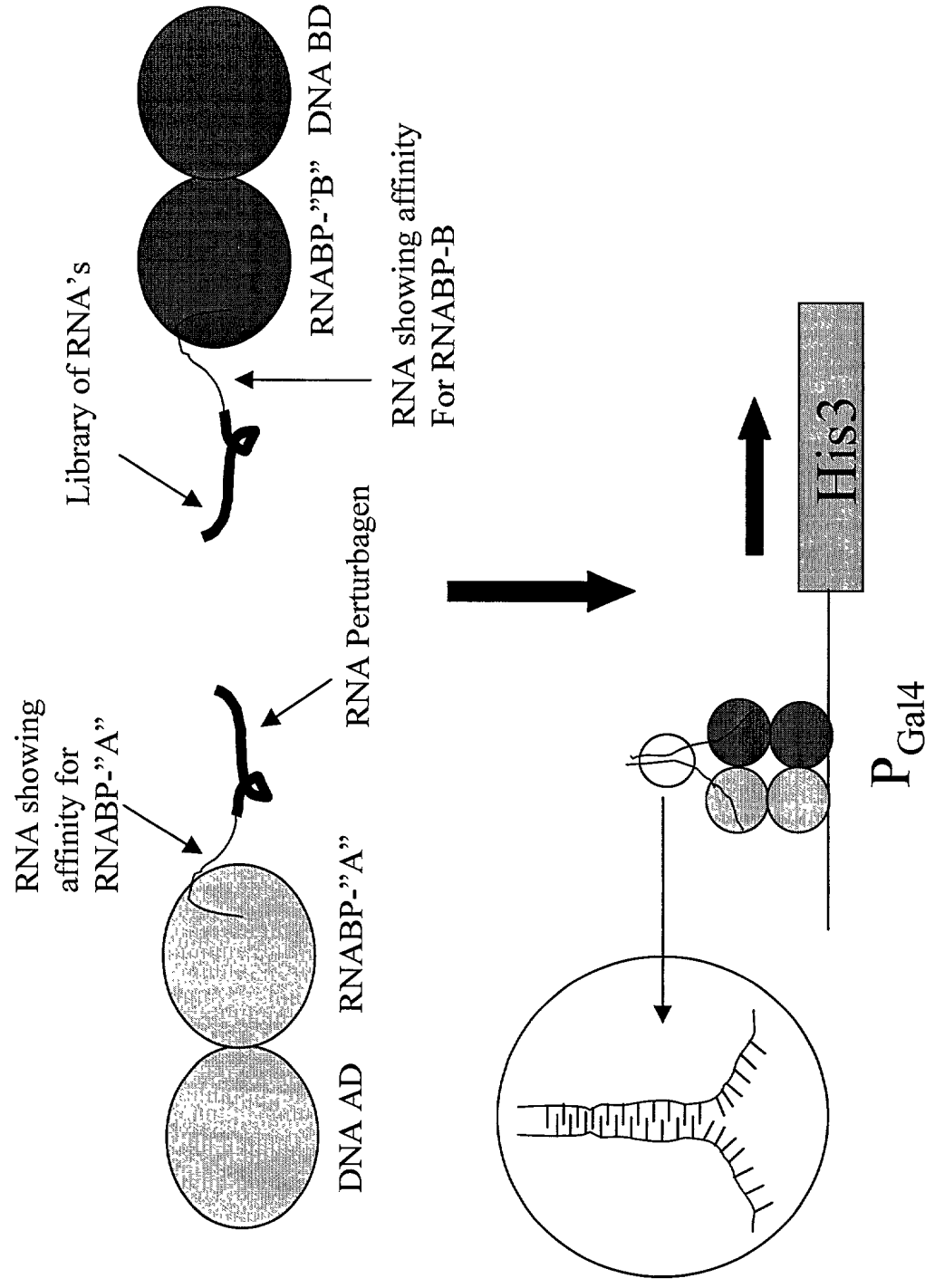


Figure 6

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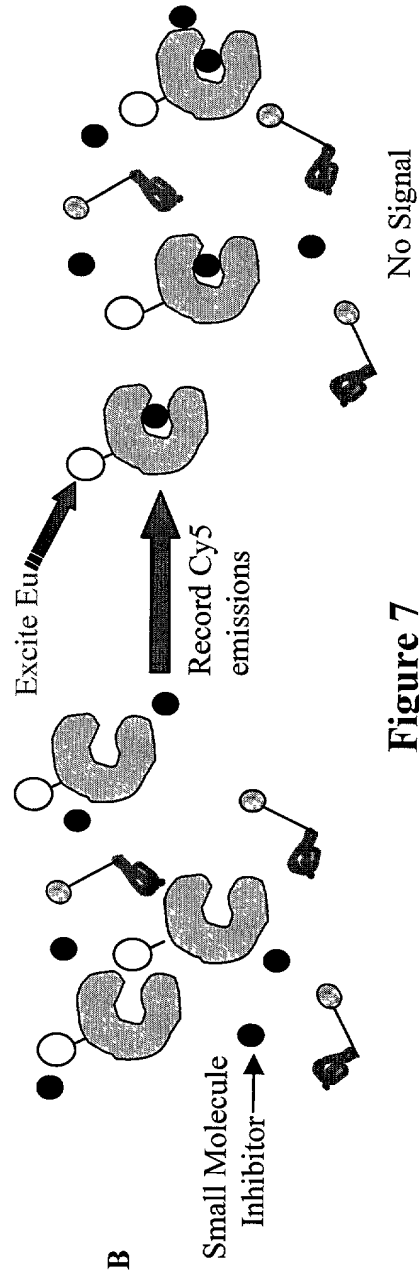
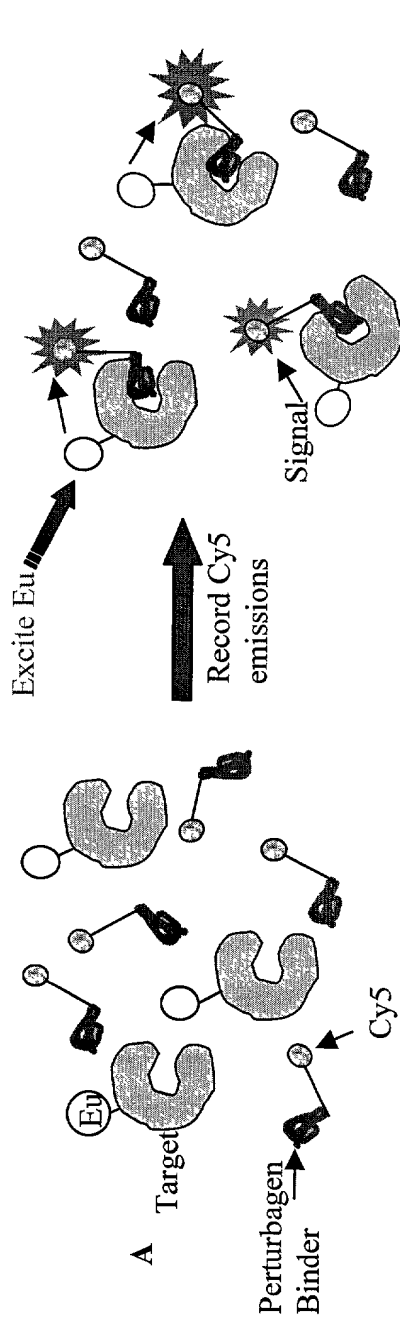


Figure 7

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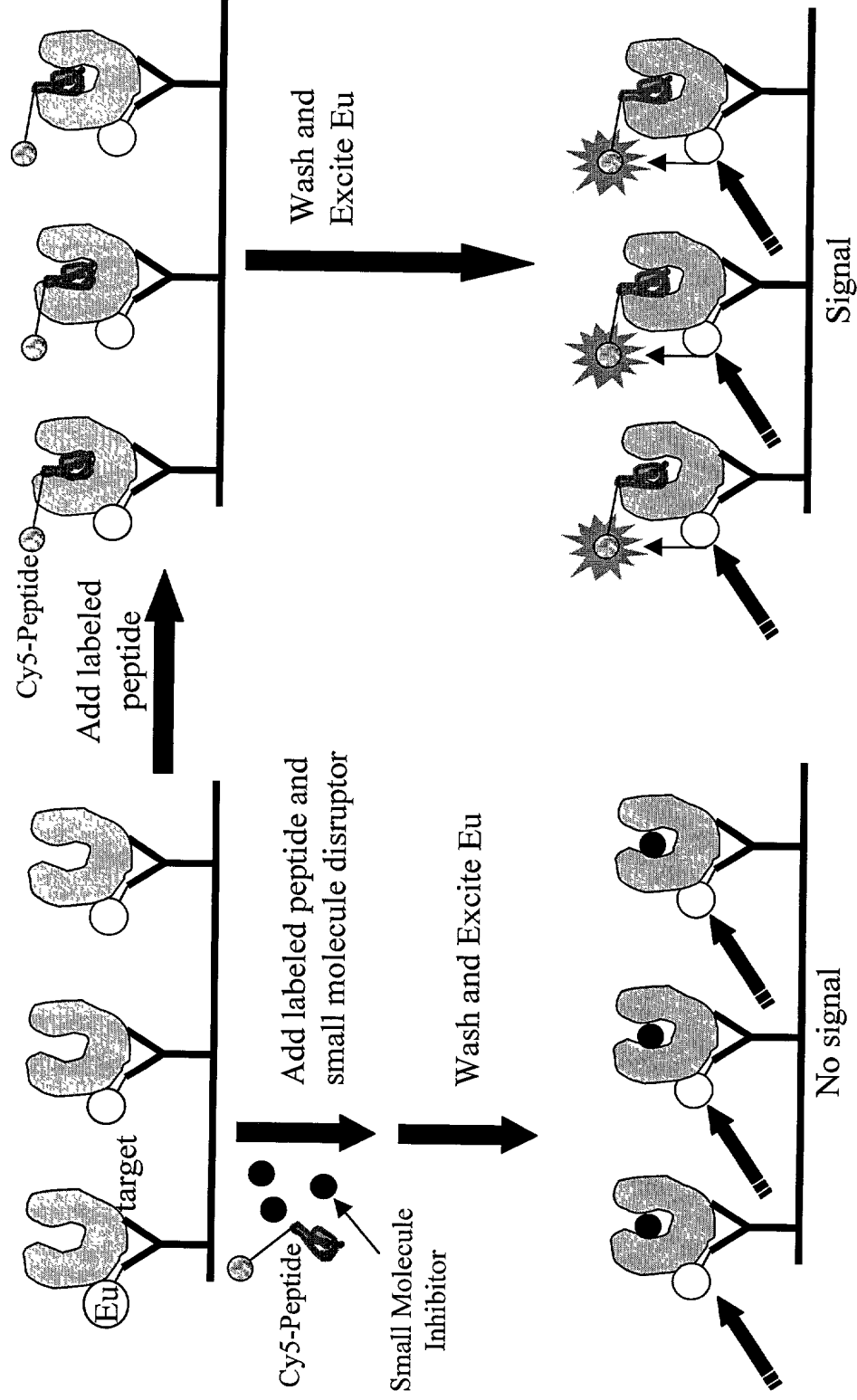


Figure 8

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Conditions for Each Cycle

Cycle 1:

- A 24 hrs: wash + Ab
120 hrs: harvest
- B 24 hrs: wash + Ab
48 hrs: trypsinize/reinfect at half the moi
72 hrs: wash + Ab
96 hrs: wash + Ab
120 hrs: harvest

Cycle 2: A and B

- 24 hrs: wash + Ab, shift to 39°C
- 48 hrs: wash Ab
- 72 hrs: harvest

Cycle 3: A and B

- 24 hrs: wash + Ab, shift to 39°C
- 48 hrs: harvested

Note: Ab was added to all samples at 4 hrs post infection

Figure 9

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Cells Surviving Each Cycle

Cycle

	1	2	3	4
352.1	0.05%	0.76%	0.07%	0.10%
Group A	0.08%	0.14%	0.17%	1.11%
Group B	<0.01%	0.22%	1.92%	6.67%

Figure 10

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DNA Sequence of cW985

5' CCGAGCGGCCCTGATAATGATGATGGTGATG
ATAATGATGATGGTGGTGAGAAATAATGG
TGGTGATGGTGATAATTATGCTACTGATGAC
ATGATGATGGTGATGATAATGATGATGGTGG
TGGTGAGAAATAATGGTGGTGATGGTGATAAT
TATGCTACTGATGACATAATGATGTGATGAT
AAGATGGTGATGGTCAATGATGATAGAAATGA
TGGTGGTAGGGATGATGATAATGGTGATGGT
AATGATGATGGTGGTGATGATGGTGGTGGT
GATGGTCGTAGTTATGCTACTGATGATGATA
TAATGATGACGCTGGCCATAATGC -3'

Amino Acid Sequence of cW985

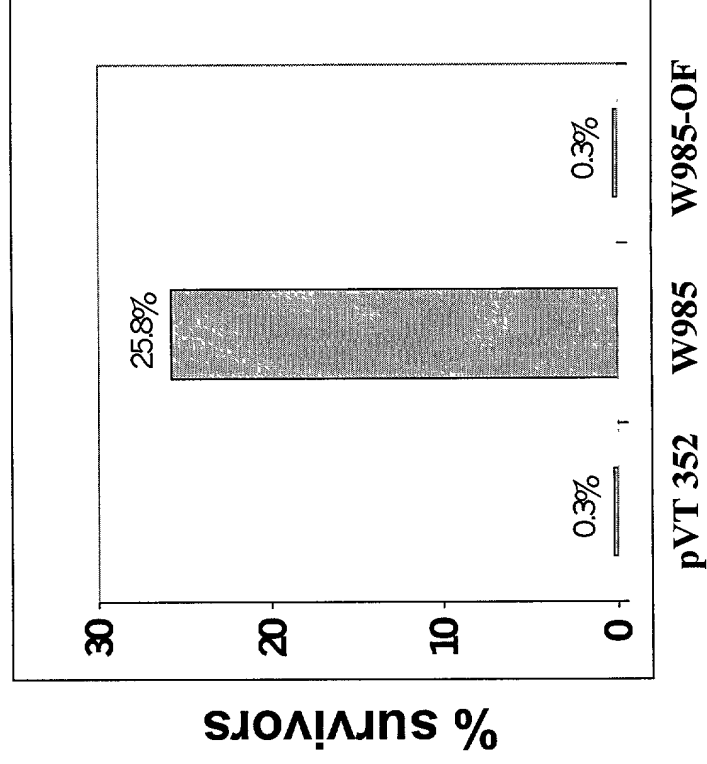
N' - DNDDGDDNDDGGGENNGGDNYAT
DDMMVMIMMMVVVRIMVVMVIML
LMT-C'

Figure 11

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HRV resistance assay

A.



B. 1 2 3 4

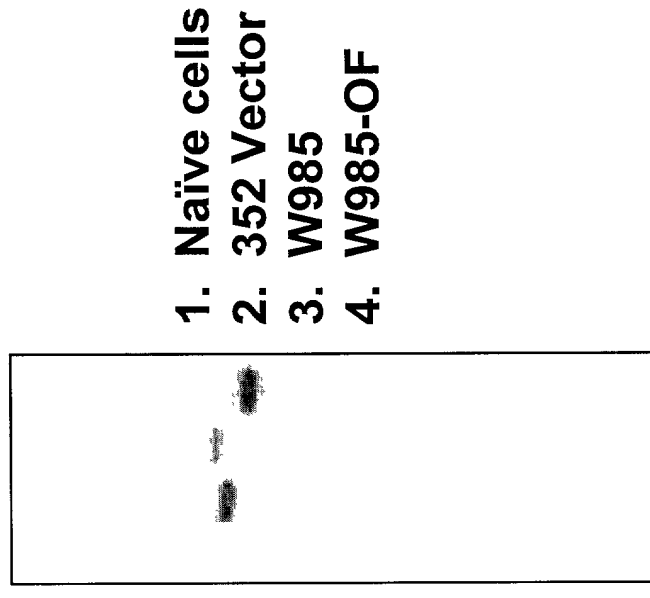


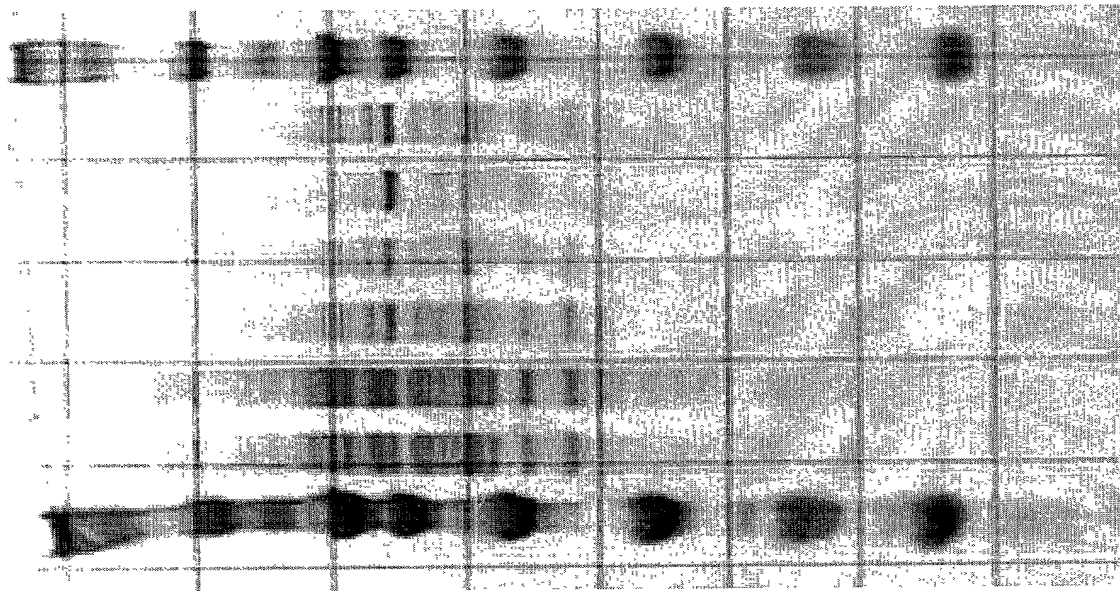
Figure 12

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1 2 3 4 5 6

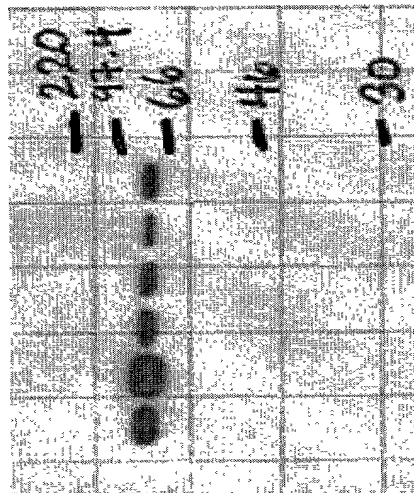
A.

- 1) HeLa 37°C
- 2) HeLa 39°C
- 3) W904 33°C
- 4) W909 33°C
- 5) W927 33°C
- 6) 352.1 33-45°C, 20'



B.

1 2 3 4 5 6



α HSP70

Figure 13

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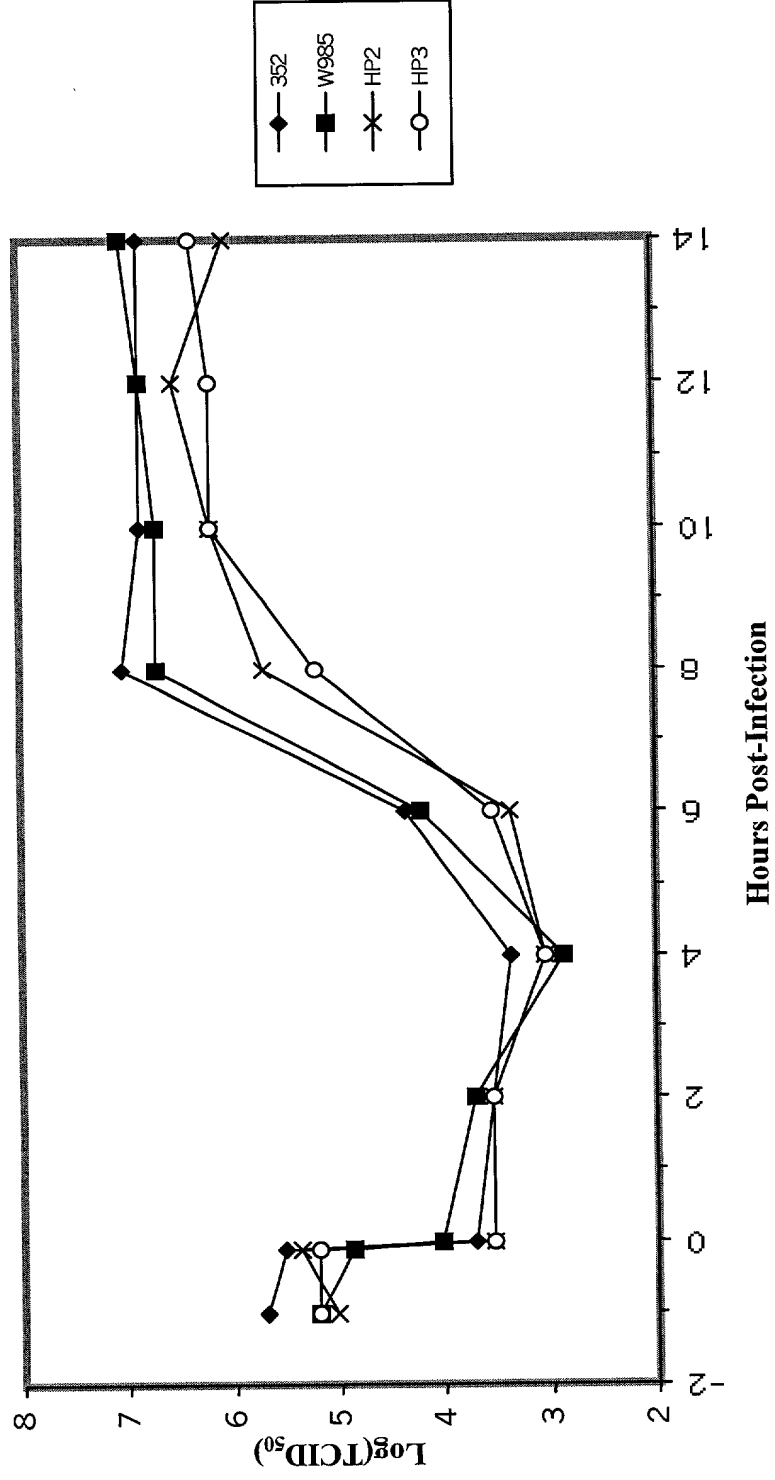


Figure 14

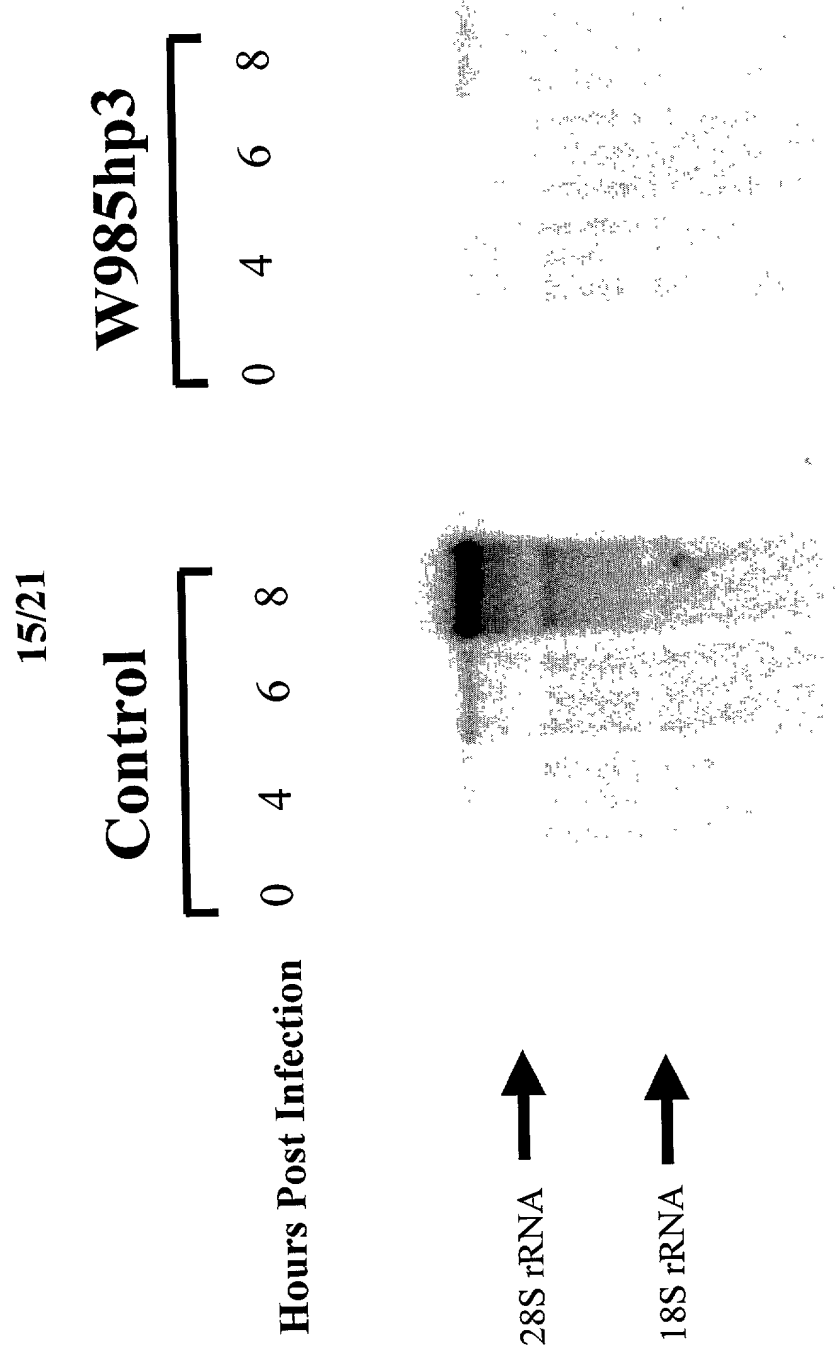
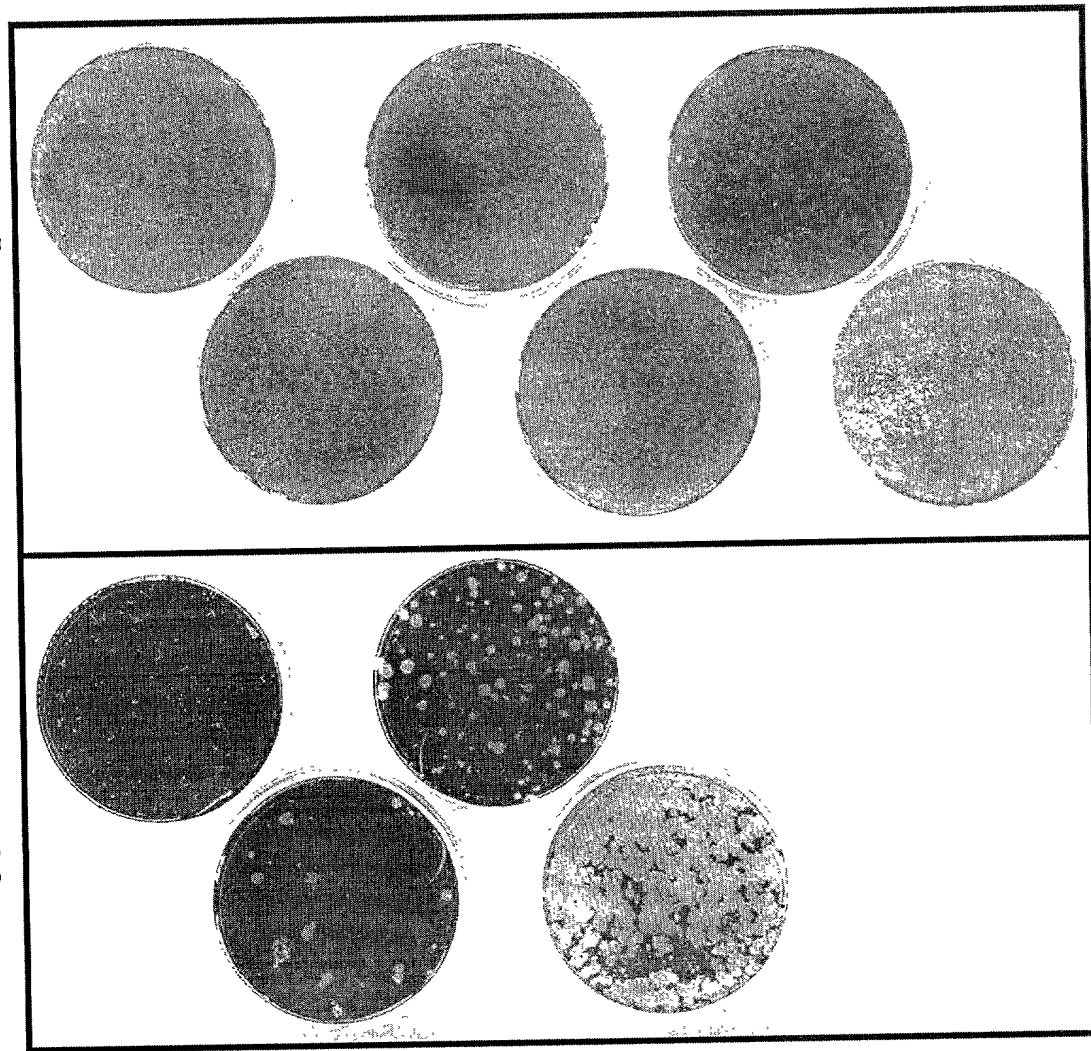


Figure 15

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W985hp3

Control



0.4

4

40

~ Pfu
Virus Added

400

4000

40000

Figure 16

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3001	rh1A.F1	tcataaatggatccagAT GGGCGCTCAGGTTT CTA CACA	3011	rh2B.F1	tcataaatggatccagGGGCTGAGTGATTA CATCACA GGT
3002	rh1A.R1	tcataacagggccgcttaATTCAATGCTGGTGCA CCGCTTA AGCA	3012	rh2B.R2	tcataacagggccgcttaTTGTCTTT CAAT GTAAGGCA CCTGA
3003	rh1B.F1	tcataaatggatccagTCACCCCAATGTTGAGGCCTGTGGTTAT	3013	rh2C.F1	tcataaatggatccagGCAAAT GATGGA TGGTTCAGA
3004	rh1B.R1	tcataacagggccgcttaTTGT GGCACAA TTGACTTGGACCTT	3014	rh2C.R1	tcataacagggccgcttaTTGAAACAGTGTTTCTAGGGAATC
3005	rh1C.F1	tcataaatggatccagGGTTTGCCAACTACAAC TTTGCC	3015	rh3A/B.F1	tcataaatggatccagGGACCA GTGTAT AAA GATTTAGAGAT
3006	rh1C.R1	tcataacagggccgcttaTTCA GTGAGTGCAACAGTCTGTG	3016	rh3A/B.R1	tcataacagggccgcttaTTGCA CAACA ACTGGCGTAAAGT
3007	rh1D.F1	tcataaatggatccagGGCTTA GGTGATGAATTA GAAGAA GT	3017	rh3C.F1	tcataaatggatccagGGACCAACA CA GAATTTGCA
3008	rh1D.R2	tcataacagggccgcttaATA GGAT TTAATGTCA CTTT CCTCT	3018	rh3C.R2	tcataacagggccgcttaTTGTTTCTCTACAAAATAT
3009	rh2A.F1	tcataaatggatccagGGTTTAGGACCTA GGTA CGGTGGGAT			TGTTTTTT AAGTTGAGC
3010	rh2A.R1	tcataacagggccgcttaCTGTT CCTCTGCGGATA CACTCCAA	3019	rh3D.F1	acataaatggccgcaagGCCAAAGTAAT AGCTAGACATAAG
			3020	rh3D.R1	tcataacagggccgcttaAAGA GGTCCAACCA GCGCCTCTAA
					G

Figure 17

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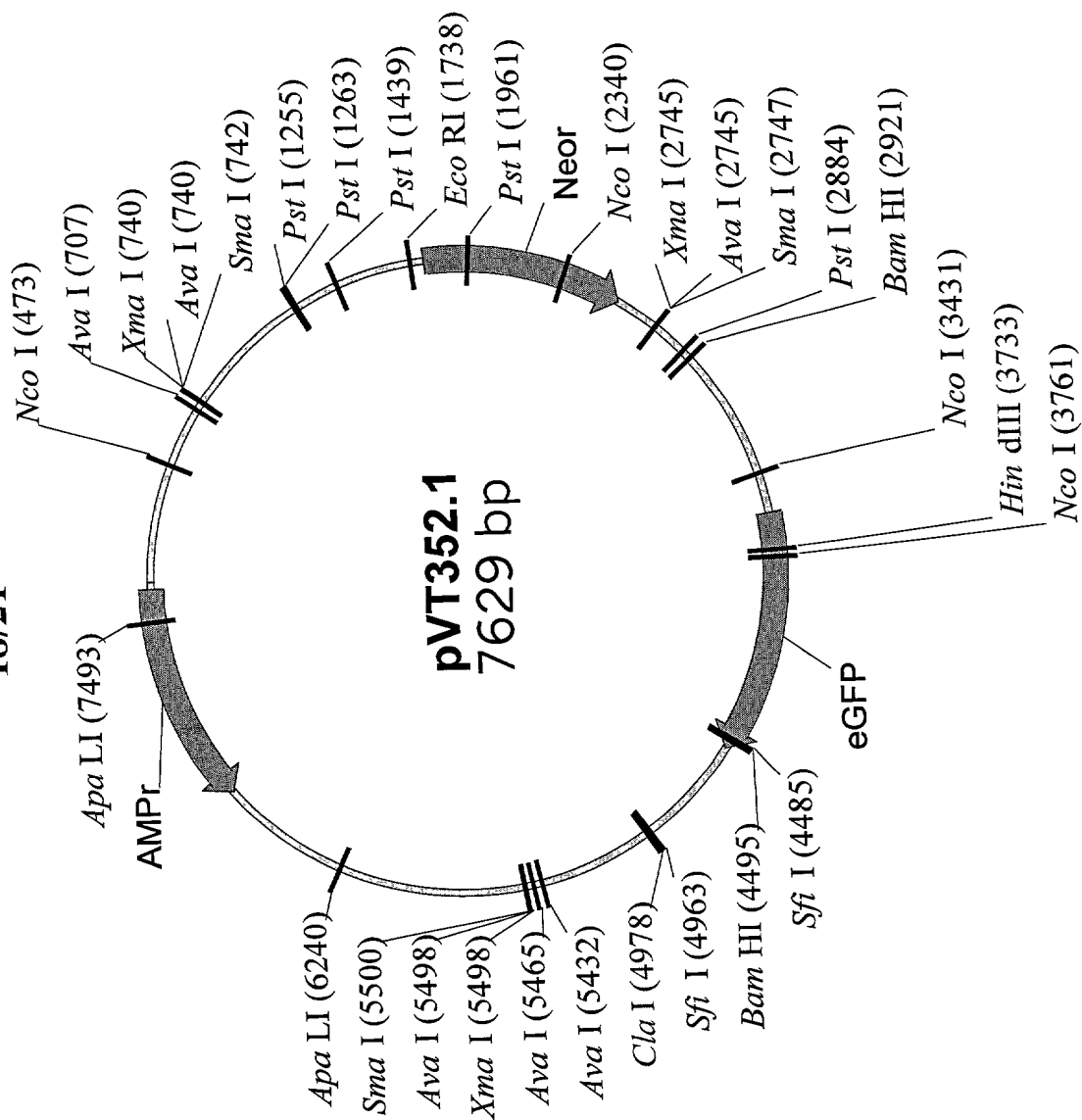


Figure 18

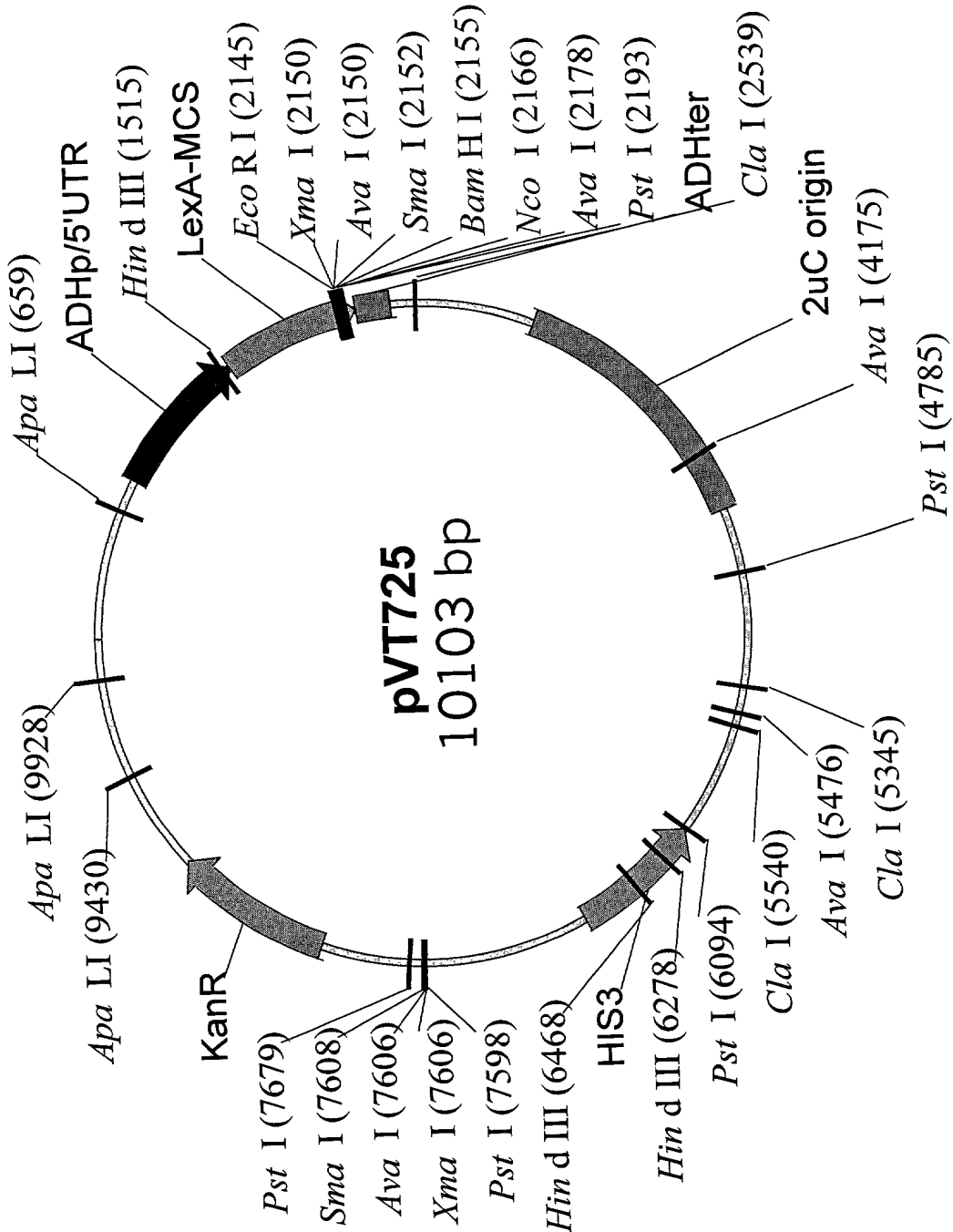


Figure 19

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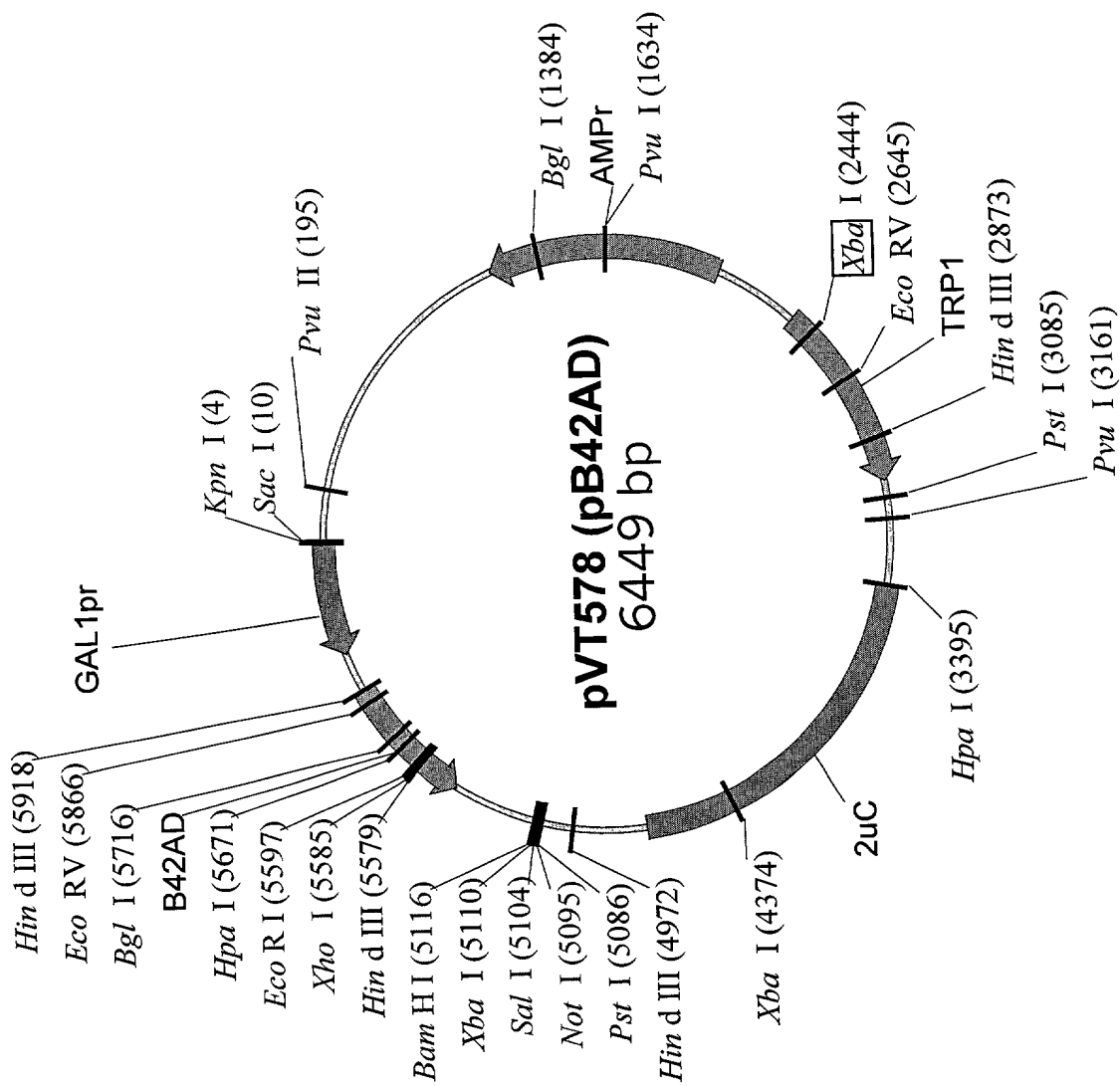


Figure 20

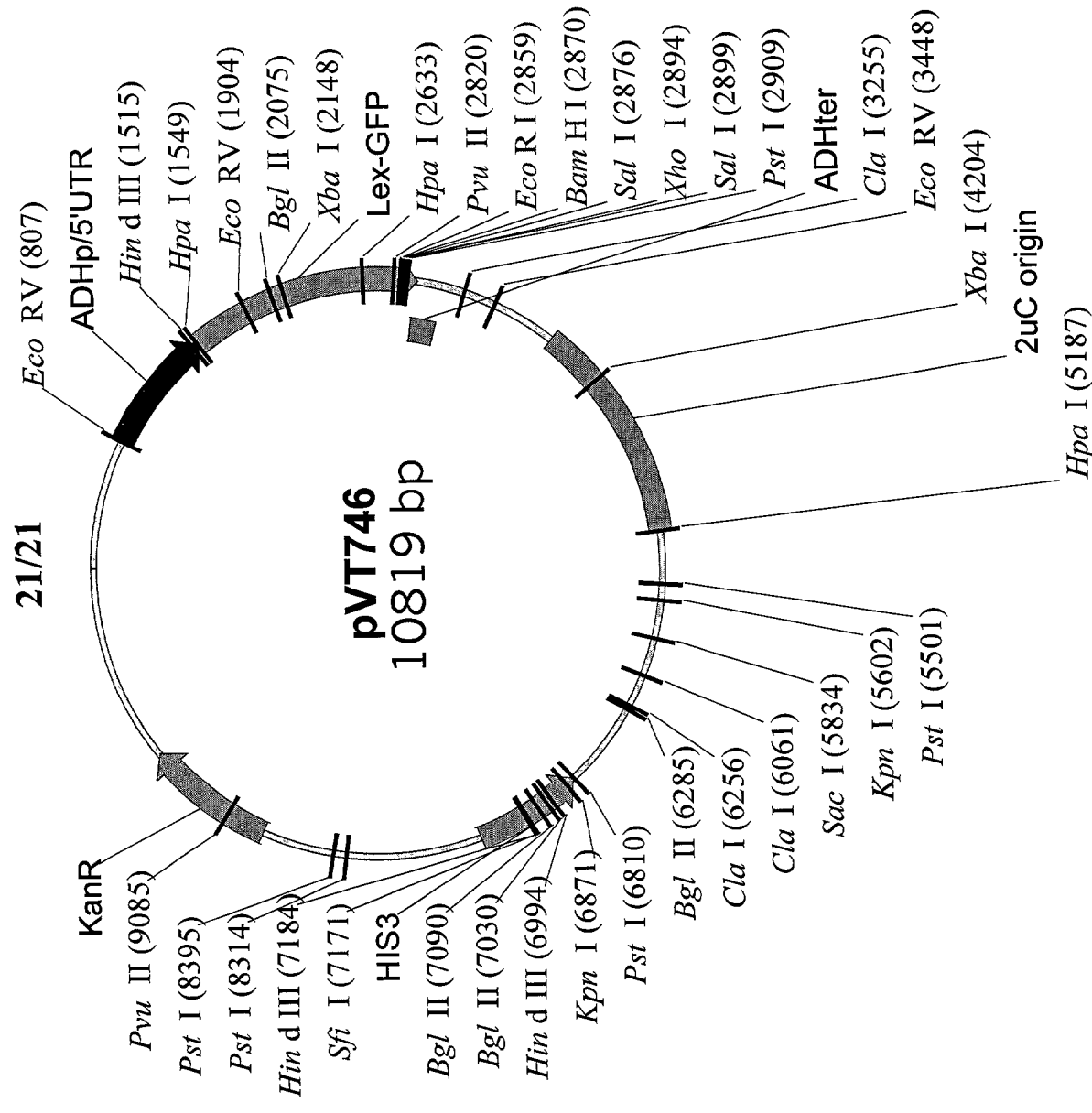


Figure 21